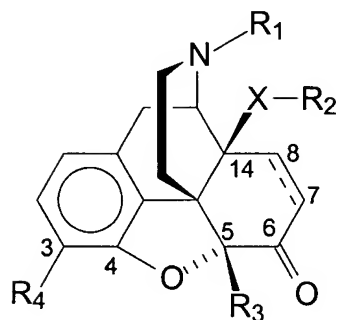
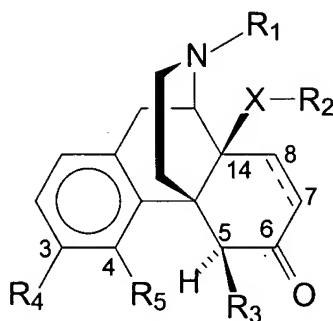


**Listing of Claims:**

1. (Original) Compounds of the formula (I) or (Ia),



(I)



(Ia)

in which the substituents have the following significance:

R<sub>1</sub>: C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>2</sub>-C<sub>6</sub>-alkinyl; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyl, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyl, where alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyl, where alkynyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkynyl is C<sub>2</sub>-C<sub>6</sub>-alkynyl;

R<sub>2</sub>: C<sub>4</sub>-C<sub>6</sub>-alkyl; C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>2</sub>-C<sub>6</sub>-alkinyl; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyl, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyl, where alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyl, where alkynyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>8</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkynyl is C<sub>2</sub>-C<sub>6</sub>-alkynyl; C<sub>3</sub>-C<sub>6</sub>-alkenoyl; C<sub>3</sub>-C<sub>6</sub>-

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alkinoyl; C<sub>9</sub>-C<sub>16</sub>-arylalkenoyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenoyl is C<sub>3</sub>-C<sub>6</sub>-alkenoyl; C<sub>9</sub>-C<sub>16</sub>-arylalkinoyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkinoyl is C<sub>3</sub>-C<sub>6</sub>-alkinoyl;

R<sub>3</sub>: hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; alkoxyalkyl, where alkoxy is C<sub>1</sub>-C<sub>6</sub>-alkoxy and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; CO<sub>2</sub>(C<sub>1</sub>-C<sub>6</sub>-alkyl); CO<sub>2</sub>H; CH<sub>2</sub>OH.

R<sub>4</sub>: hydrogen; hydroxy; C<sub>1</sub>-C<sub>6</sub>-alkyloxy; C<sub>2</sub>-C<sub>10</sub>-alkyloxyalkoxy, where alkyloxy is C<sub>1</sub>-C<sub>4</sub> and alkoxy is C<sub>1</sub>-C<sub>6</sub>-alkyloxy; C<sub>2</sub>-C<sub>6</sub>-alkenyloxy; C<sub>2</sub>-C<sub>6</sub>-alkinyloxy; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyloxy, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyloxy, where alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyloxy where alkynyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkynyl is C<sub>2</sub>-C<sub>6</sub>-alkynyl; C<sub>1</sub>-C<sub>6</sub>-alkanoyloxy; C<sub>3</sub>-C<sub>6</sub>-alkenoyloxy; C<sub>3</sub>-C<sub>6</sub>-alkinoyloxy; C<sub>7</sub>-C<sub>16</sub>-arylalkanoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkanoyloxy is C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy; C<sub>9</sub>-C<sub>16</sub>-arylalkenoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenoyloxy is C<sub>3</sub>-C<sub>6</sub>-alkenoyloxy; C<sub>9</sub>-C<sub>16</sub>-arylalkinoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkinoyloxy is C<sub>3</sub>-C<sub>6</sub>-alkinoyloxy;

R<sub>5</sub>: hydrogen; hydroxy; C<sub>1</sub>-C<sub>6</sub>-alkyloxy; C<sub>2</sub>-C<sub>10</sub>-alkyloxyalkoxy, where alkyloxy is C<sub>1</sub>-C<sub>4</sub> and alkoxy is C<sub>1</sub>-C<sub>6</sub>-alkyloxy; C<sub>2</sub>-C<sub>6</sub>-alkenyloxy; C<sub>2</sub>-C<sub>6</sub>-alkinyloxy; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyloxy, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyloxy, where

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alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyloxy, where alkynyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkynyl is C<sub>2</sub>-C<sub>6</sub>-alkynyl; C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy; C<sub>7</sub>-C<sub>16</sub>-arylalkanoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkanoyloxy is C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy;

X is oxygen;

wherein a single or double bond can be present between the carbon atoms of numbers 7 and 8,

wherein alkyl, alkenyl and alkynyl can each be branched or unbranched, aryl can be unsubstituted or mono-, di- or trisubstituted, independently in each case, with hydroxy, halogen, nitro, cyano, thiocyanato, trifluoromethyl, C<sub>1</sub>-C<sub>3</sub>-alkyl, C<sub>1</sub>-C<sub>3</sub>-alkoxy, CO<sub>2</sub>H, CONH<sub>2</sub>, CO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), CONH(C<sub>1</sub>-C<sub>3</sub>-alkyl), CON(C<sub>1</sub>-C<sub>3</sub>-alkyl)<sub>2</sub>, CO(C<sub>1</sub>-C<sub>3</sub>-alkyl); amino; (C<sub>1</sub>-C<sub>3</sub>-monoalkyl)amino, (C<sub>1</sub>-C<sub>3</sub>-dialkyl)amino; C<sub>5</sub>-C<sub>6</sub>-cycloalkylamino, (C<sub>1</sub>-C<sub>3</sub>-alkanoyl)amido, SH, SO<sub>3</sub>H, SO<sub>3</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO(C<sub>1</sub>-C<sub>3</sub>-alkyl), C<sub>1</sub>-C<sub>3</sub>-alkylthio or C<sub>1</sub>-C<sub>3</sub>-alkanoylthio,

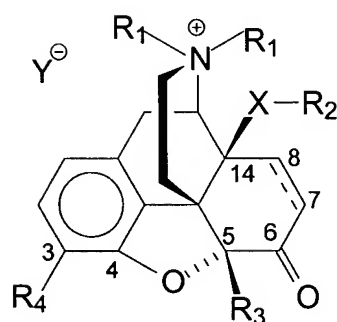
wherein -(cyclical saturated group) is either preferably C<sub>3</sub>-C<sub>10</sub>-cycloalkyl or a heterocyclical group with 2 to 9 carbon atoms, containing further one or more heteroatoms,

**with the exception of compounds** where R<sub>1</sub> is methyl, R<sub>2</sub> is C<sub>4</sub>-C<sub>6</sub>-alkyl, R<sub>3</sub> is hydrogen or methyl, R<sub>4</sub> is hydroxy or methoxy and R<sub>5</sub> is hydroxy, methoxy or an oxygen atom bound to the carbon atom in the 5<sup>th</sup> position, when X is oxygen;

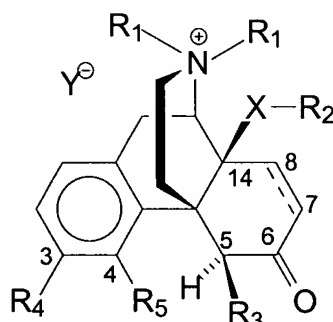
with the further exception of compounds where  $R_1$  is cyclopropylmethyl and  $XR_2$  is benzyloxy, when  $R_4$  is oxygen or benzyloxy and  $R_5$  is an oxygen atom bound to the carbon atom in the 5<sup>th</sup> position;

with the further exception of compounds where  $R_1$  is cyclopropylmethyl and  $XR_2$  is benzyloxy, when  $R_4$  is oxygen, hydroxy or benzyloxy and  $R_5$  is hydroxy or methoxy.

2. (Original) Compounds of the formula (IA) or (IAa),



(IA)



(IAa)

where the substituents have the following significance:

$R_1$ :  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyl, where alkyl is  $C_1$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyl, where alkenyl is  $C_2$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyl, where alkinyl is  $C_2$ - $C_6$ ;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_8$ -alkinyl;

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wherein the two substituents  $R_1$  can be the same or different;

$R_2$ :  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyl, where alkyl is  $C_1$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyl, where alkenyl is  $C_2$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyl, where alkinyl is  $C_2$ - $C_6$ ;  $C_8$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_6$ -alkenoyl;  $C_3$ - $C_6$ -alkinoyl;  $C_9$ - $C_{16}$ -arylalkenoyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenoyl is  $C_3$ - $C_6$ -alkenoyl;  $C_9$ - $C_{16}$ -arylalkinoyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyl is  $C_3$ - $C_6$ -alkinoyl;

$R_3$ : hydrogen,  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl; alkoxyalkyl, where alkoxy is  $C_1$ - $C_6$ -alkoxy and alkyl is  $C_1$ - $C_6$ -alkyl;  $CO_2(C_1$ - $C_6$ -alkyl);  $CO_2H$ ;  $CH_2OH$ .

$R_4$ : hydrogen; hydroxy;  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_{10}$ -alkyloxyalkoxy, where alkyloxy is  $C_1$ - $C_4$  and alkoxy is  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_6$ -alkenyloxy;  $C_2$ - $C_6$ -alkinyloxy;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyloxy, where alkyl is  $C_1$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyloxy, where alkenyl is  $C_2$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyloxy where alkinyl is  $C_2$ - $C_6$ ;  $C_7$ - $C_{16}$ -arylalkyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl

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and alkynyl is C<sub>2</sub>-C<sub>6</sub>-alkynyl; C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy; C<sub>3</sub>-C<sub>6</sub>-alkenoyloxy; C<sub>3</sub>-C<sub>6</sub>-alkinoyloxy; C<sub>8</sub>-C<sub>16</sub>-arylalkanoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkanoyloxy is C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy; C<sub>9</sub>-C<sub>16</sub>-arylalkenoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenoyloxy is C<sub>3</sub>-C<sub>6</sub>-alkenoyloxy; C<sub>9</sub>-C<sub>16</sub>-arylalkinoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkinoyloxy is C<sub>3</sub>-C<sub>6</sub>-alkinoyloxy;

R<sub>5</sub>: hydrogen; hydroxy; C<sub>1</sub>-C<sub>6</sub>-alkyloxy; C<sub>2</sub>-C<sub>10</sub>-alkyloxyalkoxy, where alkyloxy is C<sub>1</sub>-C<sub>4</sub> and alkoxy is C<sub>1</sub>-C<sub>6</sub>-alkyloxy; C<sub>2</sub>-C<sub>6</sub>-alkenyloxy; C<sub>2</sub>-C<sub>6</sub>-alkinyloxy; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyloxy, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyloxy, where alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyloxy, where alkynyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkynyl is C<sub>2</sub>-C<sub>6</sub>-alkynyl; C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy; C<sub>7</sub>-C<sub>16</sub>-arylalkanoyloxy, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkanoyloxy is C<sub>2</sub>-C<sub>6</sub>-alkanoyloxy;

X is oxygen;

Y<sup>-</sup> is I<sup>-</sup>, Br<sup>-</sup>, Cl<sup>-</sup>, OH<sup>-</sup> or another pharmacologically acceptable counterion;

wherein a single or double bond can be present between the carbon atoms of numbers 7 and 8,

wherein alkyl, alkenyl and alkynyl can each be branched or unbranched, aryl can be unsubstituted or mono-, di- or trisubstituted, independently in each case, with hydroxy, halogen, nitro, cyano,

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thiocyanato, trifluoromethyl, C<sub>1</sub>-C<sub>3</sub>-alkyl, C<sub>1</sub>-C<sub>3</sub>-alkoxy, CO<sub>2</sub>H, CONH<sub>2</sub>, CO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), CONH(C<sub>1</sub>-C<sub>3</sub>-alkyl), CON(C<sub>1</sub>-C<sub>3</sub>-alkyl)<sub>2</sub>, CO(C<sub>1</sub>-C<sub>3</sub>-alkyl); amino; (C<sub>1</sub>-C<sub>3</sub>-monoalkyl)amino, (C<sub>1</sub>-C<sub>3</sub>-dialkyl)amino; C<sub>5</sub>-C<sub>6</sub>-cycloalkylamino, (C<sub>1</sub>-C<sub>3</sub>-alkanoyl)amido, SH, SO<sub>3</sub>H, SO<sub>3</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO(C<sub>1</sub>-C<sub>3</sub>-alkyl), C<sub>1</sub>-C<sub>3</sub>-alkylthio or C<sub>1</sub>-C<sub>3</sub>-alkanoylthio, wherein -(cyclical saturated group) is either preferably C<sub>3</sub>-C<sub>10</sub>-cycloalkyl or a heterocyclical group with 2 to 9 carbon atoms, containing furthermore one or more heteroatoms.

3. (Currently Amended) Compounds of the formulae (I) or (IA) of Claims 1 ~~and~~ or 2, in which X is oxygen; R<sub>1</sub> is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>4</sub>-C<sub>16</sub>-cycloalkylalkyl, where cycloalkyl is C<sub>3</sub>-C<sub>10</sub> and alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; R<sub>2</sub> is C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; R<sub>3</sub> is hydrogen or methyl; R<sub>4</sub> is hydroxy, methoxy or acetoxy.

4. (Original) Compounds of the formula (IA) of Claim 2, in which X is oxygen; R<sub>1</sub> is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>4</sub>-C<sub>16</sub>-cycloalkylalkyl, where cycloalkyl is C<sub>3</sub>-C<sub>10</sub> and alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; R<sub>2</sub> is C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>2</sub>-C<sub>6</sub>-alkenyl, R<sub>3</sub> is hydrogen or methyl; R<sub>4</sub> is hydroxy, methoxy or acetoxy.

5. (Currently Amended) Compounds of Claims 1 ~~and~~ or 2, selected from:  
17-allyl-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-allyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-allyl-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-allyl-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-

phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ ,17-dimethyl-14 $\beta$ -[(3-phenylpropyl)oxy)morphinan-6-one, 4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ ,17-dimethyl-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, 17-propyl-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-propyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-propyl-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-propyl-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -(3-



phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5 $\alpha$ -epoxy-3-methoxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5 $\alpha$ -epoxy-3-hydroxy-5 $\beta$ -methyl-14 $\beta$ -(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -[(2-methylbenzyl)oxy]morphinan-6-one, 14 $\beta$ -[(2-chlorobenzyl)oxy]-17-(cyclopropylmethyl)-4,5 $\alpha$ -epoxy-3-hydroxymorphinan-6-one, 14 $\beta$ -benzyloxy-17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxymorphinan-6-one, 14 $\beta$ -butoxy-17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxymorphinan-6-one, 17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -[(3-methylbutyl)oxy]morphinan-6-one, 4,5 $\alpha$ -epoxy-5 $\beta$ ,17-dimethyl-14 $\beta$ -[(3-phenylpropyl)oxy]-3-[(prop-2-ynyl)oxy]morphinan-6-one, 14 $\beta$ -[(3-chlorobenzyl)oxy]-4,5 $\alpha$ -epoxy-17-methyl-3-[(prop-2-ynyl)oxy]morphinan-6-one, 4,5 $\alpha$ -epoxy-17-ethyl-3-methoxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, 4,5 $\alpha$ -epoxy-17-ethyl-3-hydroxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, 4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -[(3-methylbutyl)oxy]-17-propylmorphinan-6-one, 5 $\beta$ -benzyl-14-methoxycodeinone (= 5-benzyl-7,8-didehydro-4,5 $\alpha$ -epoxy-3,14 $\beta$ -dimethoxy-17-methyl-morphinan-6-one), 5 $\beta$ -benzyl-4,5 $\alpha$ -epoxy-3,14 $\beta$ -dimethoxy-17-methylmorphinan-6-one, 5 $\beta$ -benzyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -methoxy-17-methylmorphinan-6-one, 4-hydroxy-3-methoxy-17-methyl-14-[(3-phenylpropyl)oxy]-morphinan-6-one, 3,4-dimethoxy-17-methyl-14-[(3-phenylpropyl)oxy]-morphinan-6-one, 14 $\beta$ -benzyloxy-4-hydroxy-3-methoxy-17-methylmorphinan-6-one, 14 $\beta$ -benzyloxy-3,4-dimethoxy-17-methylmorphinan-6-one, 4-hydroxy-3-methoxy-17-methyl-14 $\beta$ -[(2-naphthylmethyl)oxy]morphinan-6-one, 3,4-dimethoxy-17-methyl-14 $\beta$ -[(2-naphthylmethyl)oxy]morphinan-6-one, 4-hydroxy-3-methoxy-5 $\beta$ ,17-dimethyl-14 $\beta$ -[(3-phenylpropyl)oxy]-morphinan-6-one, 3,4-dimethoxy-5 $\beta$ ,17-dimethyl-14 $\beta$ -[(3-

phenylpropyl)oxy]-morphinan-6-one, 14 $\beta$ -ethoxy-4-hydroxy-3-methoxy-5 $\beta$ ,17-dimethylmorphinan-6-one, 14 $\beta$ -ethoxy-3,4-dimethoxy-5 $\beta$ ,17-dimethylmorphinan-6-one, 14 $\beta$ -benzyloxy-3,4-dimethoxy-5 $\beta$ ,17-dimethylmorphinan-6-one, 4,5 $\alpha$ -epoxy-3-hydroxy-17,17-dimethyl-6-oxo-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, (17S)-4,5 $\alpha$ -epoxy-17-ethyl-3-hydroxy-17-methyl-6-oxo-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, (17R)-4,5 $\alpha$ -epoxy-3-hydroxy-17-methyl-6-oxo-14 $\beta$ -[(3-phenylpropyl)oxy]-17-[(2(R,S)-tetrahydrofurfuran-2-yl)methyl]morphinan-6-one, (17R)-17-allyl-4,5 $\alpha$ -epoxy-14 $\beta$ -ethoxy-3-hydroxy-17-methyl-6-oxomorphinan-6-one, (17R)-17-allyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -methoxy-17-methyl-6-oxomorphinan-6-one, (17S)-17-allyl-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -methoxy-17-methyl-6-oxomorphinan-6-one, 4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -methoxy-17,17-dimethyl-6-oxomorphinan-6-one, 5 $\beta$ -benzyl-14 $\beta$ -(butyloxy)-4,5-epoxy-3-hydroxy-17,17-dimethyl-6-oxomorphinan-6-one, (17S)-17-allyl-5 $\beta$ -benzyl-14 $\beta$ -butoxy-4,5 $\alpha$ -epoxy-3-hydroxy-17-methyl-6-oxomorphinan-6-one, 14 $\beta$ -butoxy-4,5 $\alpha$ -epoxy-3-hydroxy-17,17-dimethyl-6-oxomorphinan-6-one, (17R)-17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-17-methyl-6-oxo-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, (17R)-17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-methoxy-17-methyl-6-oxo-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, (17R)-17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-17-methyl-6-oxo-14 $\beta$ -[(2-phenylbenzyl)oxy]morphinan-6-one, (17R)-14 $\beta$ -[(4-chlorobenzyl)oxy]-17-cyclopropylmethyl-4,5 $\alpha$ -epoxy-3-hydroxy-17-methyl-6-oxomorphinan-6-one, 17(R)-4,5 $\alpha$ -epoxy-3-hydroxy-14 $\beta$ -methoxy-17-methyl-6-oxo-17-(2-phenylethyl)morphinan-6-one, 4,5 $\alpha$ -epoxy-3-methoxy-17-methyl-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one, 4,5 $\alpha$ -epoxy-3-methoxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,

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4,5 $\alpha$ -epoxy-3-hydroxy-17-methyl-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
4,5 $\alpha$ -epoxy-17-methyl-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
17-(cyclopropylmethyl)-4,5 $\alpha$ -epoxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
4,5 $\alpha$ -epoxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
17-(cyclopropylmethyl)-4-hydroxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
17-(cyclopropylmethyl)-4-methoxy-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
4-(n-butyloxy)-17-(cyclopropylmethyl)-14 $\beta$ -[(3-phenylpropyl)oxy]morphinan-6-one,  
or any pharmaceutically acceptable salt or easily accessible derivative of it.

6. (Currently Amended) A pharmaceutical composition ~~Composition~~, comprising a compound of Claims 1 to 5 or 2 and/or a pharmaceutically acceptable acid addition salt ~~of it~~ thereof, together with a pharmaceutically acceptable carrier substance.

Claim 7 (Cancelled).

8. (Currently Amended) A method of using ~~Use of~~ a compound of Claims 1 or 2 to 5 for the ~~manufacture of a medicament for the~~ treatment of pain, including chronic and acute pain, post-operative pain, rheumatic diseases (e.g. arthritis), ileus, obstipation, overweight, addiction, including opioid, cocaine and alcohol addiction as well as for the manufacture of a narcotic.

9. (Original) Compounds according to Claim 1 or 2, wherein R<sub>5</sub> is OH or alkoxy.

10. (Currently Amended) Compounds according to Claim 1 or 2 ~~2-9~~, wherein R<sub>3</sub> is hydrogen, alkyl or aralkyl, preferably hydrogen or alkyl.

11. (Currently Amended) Compounds according to Claim 1 or 2 ~~2, 9 or 10~~, wherein R<sub>4</sub> is OH, alkoxy or alkenyloxy or alkinyloxy.

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12. (Currently Amended) Compounds according to Claim 1 or 2, ~~2, 9, 10 or 11~~, wherein a single bond is present between the carbon atoms of the numbers 7 and 8.

13. (Currently Amended) Compounds according to Claim 1 or 2, ~~2, 9, 10, 11 or 12~~ wherein R<sub>2</sub> is alkyl or aralkyl, preferably aralkyl.

14. (Currently Amended) Compounds according to Claim 1 or 2, ~~2, 9, 10, 11, 12 or 13~~ wherein R<sub>1</sub> is alkyl, (cyclical saturated group)alkyl, aralkyl or alkenyl.

15. (Original) Compounds according to Claim 1 or 2, wherein R<sub>1</sub> is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>2</sub>-C<sub>6</sub>-alkinyl; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyl, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyl, where alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyl, where alkinyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkinyl is C<sub>2</sub>-C<sub>6</sub>-alkinyl.